

Title (en)

THERMOPLASTIC FILM FOR A LAMINATED GLASS PLANE

Title (de)

THERMOPLASTISCHE KUNSTSTOFFFOLIE FÜR EINE VERBUNDGLASSCHEIBE

Title (fr)

FEUILLE THERMOPLASTIQUE EN MATÉRIAU SYNTHÉTIQUE POUR UNE PLAQUE DE VERRE COMPOSITE

Publication

**EP 3658371 A1 20200603 (DE)**

Application

**EP 18740234 A 20180717**

Priority

- EP 17183444 A 20170727
- EP 2018069372 W 20180717

Abstract (en)

[origin: WO2019020432A1] A thermoplastic film (F), suited to be an intermediate layer for a laminated glass pane (1), wherein the thermoplastic film (F) comprises at least – a set region (K), which is provided for a camera window or a HUD (head-up display) region, which has a wedge angle that differs from zero, and – a region (A) surrounding the set region (K) on all sides, in which the thermoplastic film has a substantially constant thickness (h1), wherein the maximum thickness (h2max) in the set region (K) of the thermoplastic film is less than the thickness (h1) in the surrounding region (A).

IPC 8 full level

**B32B 17/10** (2006.01)

CPC (source: EP KR RU US)

**B32B 17/10036** (2013.01 - EP KR RU US); **B32B 17/10559** (2013.01 - EP KR); **B32B 17/10568** (2013.01 - EP KR); **B32B 17/10761** (2013.01 - EP KR RU US); **B32B 17/10807** (2013.01 - KR); **B32B 17/10889** (2013.01 - KR); **B60J 1/001** (2013.01 - KR); **B32B 17/10568** (2013.01 - US); **B32B 2307/102** (2013.01 - KR); **B32B 2315/08** (2013.01 - US); **B32B 2605/006** (2013.01 - US); **B32B 2605/08** (2013.01 - US); **G02B 27/0101** (2013.01 - US); **G02B 2027/0121** (2013.01 - US)

Citation (search report)

See references of WO 2019020432A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019020432 A1 20190131**; BR 112019021726 A2 20200505; CA 3065668 A1 20190131; CN 109562606 A 20190402; CN 109562606 B 20220624; EP 3658371 A1 20200603; EP 3658371 B1 20210714; ES 2887851 T3 20211228; HU E055545 T2 20211228; JP 2020528039 A 20200917; JP 6898510 B2 20210707; KR 102398542 B1 20220525; KR 20200019988 A 20200225; MA 49672 A 20210428; MA 49672 B1 20210729; PL 3658371 T3 20211102; RU 2738173 C1 20201209; US 11052639 B2 20210706; US 2020147934 A1 20200514

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**EP 2018069372 W 20180717**; BR 112019021726 A 20180717; CA 3065668 A 20180717; CN 201880001386 A 20180717; EP 18740234 A 20180717; ES 18740234 T 20180717; HU E18740234 A 20180717; JP 2020502266 A 20180717; KR 20207002075 A 20180717; MA 49672 A 20180717; PL 18740234 T 20180717; RU 2020102862 A 20180717; US 201816609663 A 20180717